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APPLICANT : SUMITOMO LIGHT METAL IND LTD;

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TITLE : PRODUCTION OF SOFT ALUMINUM ALLOY MATERIAL FOR WELDED STRUCTURE

ABSTRACT : PURPOSE: To produce a soft Al-Zn-Mg alloy material for a welded structure having excellent cold workability.

CONSTITUTION: An Al alloy contg. 3-8% Zn, 0.5-3.0% Mg, 0.01-0.5% Cu and one or more among 0.005-0.30% Ti, 0.05-0.7% Mn, 0.01-0.5% Cr, 0.05-0.30% Zr and 0.01-0.15% V is hot worked, held under heating at 180-320°C for 0.5-24hr and cooled to room temp. to obtain an Al-Zn-Mg alloy for a welded structure having excellent cold workability and hardly undergoing a change with the lapse of time due to aging at room temp.

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